

Abstract:

Control of the Movement of a Sliding or Swinging and Sliding Door  
in its End Closing Area

The invention concerns a control of the movement of a sliding or swinging and sliding door (1) in its end closing area(X), wherein by means of a free wheel (8) or the like the movement of the door leaf (2) in the closing direction is possible always, but the movement in the opening direction is possible only when a brake, coupling (9) or other fixation for the part of the free wheel remote from the door leaf is lifted, and wherein a device for determining the door position is present.

The invention is characterized in that possibly present conventional measures as safety devices against pinching in the predetermined end closing area(x) are deactivated; that, as long as the door leaf (2) is within the end closing area (x), the current supply of the door drive (4) and thus the closing force acting on the door leaf is reduced; and that the brake, coupling (9) or the like, which acts onto the part of the free wheel (8), remote from the door leaf, is lifted.

The invention also concerns modifications of this basic idea.

(Fig. 2)